

AMENDMENTS TO THE CLAIMS

1-41. (Cancelled)

42. (Withdrawn – currently amended) The compound according to claim 41 163, wherein X is selected from the group consisting of Ac, H, and ~~the photoprobes ASAL, optionally iodinated in position 5 to yield the group 2-hydroxy-4-azido-5-iodo benzoyl, and AB.~~

43. (Withdrawn – currently amended) The compound according to claim 41 163, wherein R₇ is NH₂.

44. (Withdrawn – currently amended) The compound according to claim 41 163, wherein R_a is the amino acid side chain of Pro, which side chain is cyclized by attachment ~~at to~~ to the N atom bonded to the C atom to which R_a is attached.

45. (Withdrawn – currently amended) The compound according to claim 41 163, wherein R_b is the amino acid side chain of Hyp, which side chain is cyclized by attachment to the N atom bonded to the C atom to which R_b is attached.

46. (Withdrawn – currently amended) The compound according to claim 41 163, wherein R_c is the amino acid side chain of Gly or Tyr.

47. (Currently amended) The compound according to claim 41 163, wherein R_d is selected from the group consisting of the amino acid side chain of Ala or Gly, Asp, Glu, Dapa, and Dab.

48. (Withdrawn - currently amended) The compound according to claim 41 163, wherein R_f is the amino acid side chain of Ala or Gly.

49. (Cancelled).

50. (Currently amended) The compound according to claim 41 163, wherein R_g is the amino acid side chain of Asn, Gly, D-4Hyp, or L-/D-Pro when formula XII represents said compound is a linear peptide, wherein, when R_g is the amino acid side chain of D-4Hyp or L-/D-Pro, the side chain is cyclized by attachment to the N atom bonded to the C atom to which R_g is attached.

51. (Withdrawn - currently amended) The compound according to claim 41 163 wherein R_h is the amino acid side chain of Pro, D-Pro, or D-Hyp-Ala when U is missing,

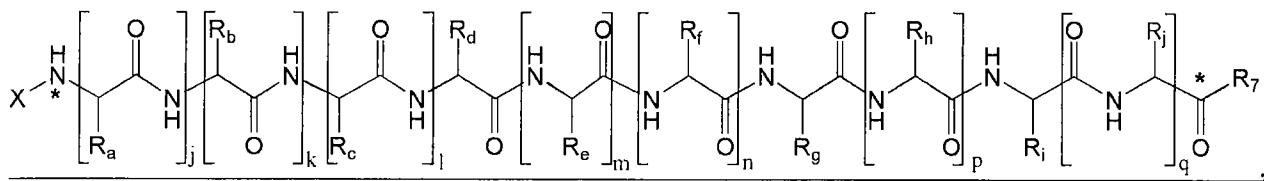
or R_h is the amino acid side chain of Pro or Hyp when U is present, wherein, when R_h is the side chain of Pro or Hyp, the side chain is cyclized by attachment to the N atom bonded to the C atom to which R_h is attached.

52. (Withdrawn – currently amended) The compound according to claim 41 163, wherein R_i is the amino acid side chain of Tyr or D-Tyr, Phe, Trp, or Nal, optionally substituted with one or more of hydroxy, F, or Cl, in the aromatic ring.

53. (Withdrawn – currently amended) The compound according to claim 41 163, wherein R_j is selected from the group consisting of the amino acid side chain of Asn or Gln-Asp, Glu, and Tyr.

54-162. (Cancelled).

163. (Withdrawn - currently amended) The A compound according to claim 41 having the formula:



or a retro form thereof, said compound optionally being cyclic through a covalent bond between N* and C*;

wherein:

X is H, Ac, TFA, DBF, ASAL optionally iodinated, or HP;

each of j, k, l, m, n, p, and q is independently 0 or 1;

R_a is the side chain of Hyp or Pro, which is cyclized by attachment to the N atom bonded to the C atom to which R_a is attached;

R_b is the side chain of Hyp or Pro, which is cyclized by attachment to the N atom bonded to the C atom to which R_a is attached;

R_c is the side chain of Gly or Sar, or 1 is 0;

R_d is the side chain of Ala, D-Ala, or Gly;

R_e is the acid side chain of Ala;

R_f is the acid side chain of Ala, Sar, or Gly;

R_g is the side chain of L-Hyp, D-Hyp, Pro, D-Pro, Ncg, A2C, Sar, Gly, Asn, D-Asn, T4c, Pc, Lys, or Thio-Pro if the compound is a cyclic compound, or R_g is the side chain of D-Hyp, Pro, D-Pro, Ncg, A2C, Sar, Gly, Asn, D-Asn, T4c, Pc, Lys, or Thio-Pro if the compound is a linear peptide, wherein said side chain of L-Hyp, D-Hyp, Pro, D-Pro, or Thio-Pro is cyclized by attachment to the N atom bonded to the C atom to which R_g is attached;

R_h is the side chain of Pro, D-Pro, Ala, D-Hyp, Asn, or Thio-Pro, wherein said side chain of Pro, D-Pro, D-Hyp, or Thio-Pro is cyclized by attachment to the N atom bonded to the C atom to which R_h is attached or p is 0;

R_i is the side chain of Gly, or Phe, D-Phe, Tyr, or D-Tyr, wherein the aromatic ring of said Phe, D-Phe, Tyr, or D-Tyr is optionally substituted with one or more halogen groups;

R_j is the side chain of Gln, Asn, D-Asp, or Cys; or $q = 0$

R_7 is OH or NH_2 , or is absent if the compound is cyclized between N^* and C^* , wherein when R_g or R_h is the amino acid side chain of Pro or Hyp, the side chain is cyclized by attachment to the N atom bonded to the C atom to which R_g or R_h is attached.

164. (Withdrawn - currently amended) The compound of claim 41 or claim 163, wherein n is 1.

165. (Withdrawn) The compound of claim 163, wherein said compound is cyclo(-Gly-Ala-Gly-Hyp-Pro-Tyr-Asn-) (SEQ ID NO:287).

166. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is cyclo(-Tyr-Pro-4Hyp-Gly-Ala-Gly-Asn-) (SEQ ID NO:174).

167. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is cyclo(-Gly-Ala-Gly-Pro-Pro-Tyr-Asn-) (SEQ ID NO:288).

168. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is cyclo(-Gly-Ala-Gly-Pro-Pro-Tyr-Gln-).

169. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-Ala-Gly-Pro-Pro-Tyr-NH₂.

170. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-D-Tyr-D-Pro-D-Pro-Gly-D-Ala-Gly-NH₂.

171. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-D-Tyr-D-Hyp-D-Hyp-Gly-D-Ala-Gly-NH₂.

172. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-Ala-Gly-Asn-Tyr-NH₂.

173. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ala-Gly-Asn-Tyr.

174. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-Ala-Asn-Tyr-NH₂.

175. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-Ala-Gly-Asn-Tyr.

176. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-Gly-Asn-Tyr.

177. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-Asn-Tyr.

178. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-D-Tyr-D-Asn-Gly-NH₂.

179. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is D-Tyr-D-Asn-Gly-NH₂.

180. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-D-Asn-Tyr.

181. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Tyr-Asn-Gly-NH₂.

182. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Gly-Gly-Tyr-NH₂.

183. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Gly-D-Asn-Tyr-NH₂.

184. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Tyr-D-Asn-Gly.

185. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Ac-Tyr-D-Asn-Gly.

186. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Ac-Gly-D-Asn-Tyr-NH₂.

187. (Withdrawn – currently amended) The compound of claim 44 163, wherein said compound is Tyr-D-Asn-Gly-NH₂.

188. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-Tyr-D-Asn-Gly-NH₂.

189. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-Ala-Tyr-NH₂.

190. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Ac-Gly-Ala-Tyr-NH₂.

191. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Gly-Asp-Tyr-NH₂.

192. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Tyr-Asn-Gly.

193. (Withdrawn – currently amended) The compound of claim 41 163, wherein said compound is Tyr-Asp-Gly.

194. (New) The compound of claim 163, wherein X is Ac or H and R_g is selected from the group consisting of Pro, D-Pro, Hyp, D-Hyp, Gly, or Asn.